

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-336539

(43)Date of publication of application : 05.12.2000

(51)Int.Cl.

D02G 3/48

F16G 1/08

(21)Application number : 11-151222

(71)Applicant : TORAY IND INC

(22)Date of filing : 31.05.1999

(72)Inventor : TANIGUCHI MASA HARU
SHOJI HIROMITSU
KATO MITSUO

(54) CORD FOR REINFORCING POWER TRANSMISSION BELT AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a cord for reinforcing power transmission belt that can prevent the reinforcing fibers exposed at the belt edge face from being loosened into individual single filaments, when the belt is formed, and has the increased adhesion to the matrix rubber with high strength and good fatigue resistance and provide an efficient production process therefor.

SOLUTION: This cord is constituted with (a) a reinforcing fiber yarn and (b) a sheath-core conjugated yarn in which the core component comprises a thermoplastic polymer melting at $\geq 230^{\circ}\text{C}$ and the sheath component comprises a thermoplastic resin melting at $120-220^{\circ}\text{C}$, and this cord is impregnated with an adhesive. In this case, the individual yarns constituting the cord with the thermoplastic polymer melting at $120-220^{\circ}\text{C}$ as the sheath component in the conjugated fiber yarn are at least partially fused between single filaments in the individual yarns.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office